3M™ Digital Projector

File Transfer Tool Guide Version 1.08

For Models: X62w/X64w/X90w/X95/X95i

Revision History

Revision Date	Page(s) Changed	Description of Change
4/2009	All pages	First edition released.
4/2010	All pages	2nd edition

Intended Use

The 3M™ Digital Projectors are designed, built, and tested for use indoors, using 3M lamps, 3M ceiling mount hardware, and common line voltages (100V to 240V AC, 50/60 Hz).The use of other replacement lamps, outdoor operation, or different voltages has not been tested and could damage the projector, peripheral equipment and/or create a potentially unsafe operating condition.

3M Digital Projectors are designed to operate in a normal office environment.

- 100V - 240V AC, 50/60 Hz
- 16° to 29° C (60° to 85° F)
- 10-80% RH (without condensation)
- 0-1828m (0-6000 feet) above sea level

The ambient operating environment should be free of airborne smoke, grease, oil and other contaminates that can effect the operation or performance of the projector.

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78-6971-1512-5 [April 2010]

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1 Introduction

1.1 Outline

Projector File Transfer Tool allows you to transfer computer files to a storage media (SD memory card or USB flash drive) that connected to X62w, X64w, X90w, X95 or X95i through the network. The supported file formats are text, jpeg, ping and bitmap (txt, jpg, jpeg, png, bmp) and the file name have to be ASCII (expects \/:,;*?"<>|).

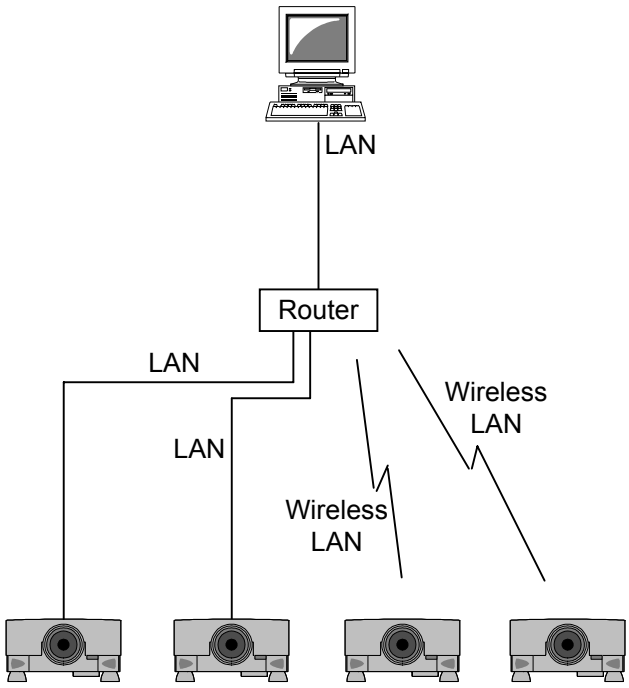
An image number for MY IMAGE (or e-SHOT) feature is able to assign to the transferring file. The MY IMAGE (or e-SHOT) is available from [MIU] → [MY IMAGE] (or [e-SHOT]) menu on the projector.

[Note]

- The network configuration is required to transfer files from computer to projector. Please check the User's Manual-Network Functions for network configuration,
- The storage media (SD memory card or USB flash memory) is required to use this feature. Please check the User's Manual-Network Function for compatible media.
- Please check User's Manual-Operating Guide for MY IMAGE (or e-SHOT) feature.

1.2 System

The following diagram shows a typical network diagram for the Projector Image Tool



X62w / X64w / X90w / X95 / X95i

- Use a UTP cable category 5 or higher for a Local Area Network cable.

2 Installation

2.1 System Requirements

The following is the minimum system requirements of hardware and software to use the Projector File Transfer Tool.

(1) Operating System
Windows 2000 Professional
Windows XP Home Edition
Windows XP Professional
Windows Vista Home Basic (32-bit)
Windows Vista Home Premium (32-bit)
Windows Vista Business (32-bit)
Windows Vista Ultimate (32-bit)

(2) CPU
Pentium3 500MHz or higher

(3) Memory
128MB or higher

(4) Hard Disc
Minimum 3MB free space for installation.

(5) Wired LAN or Wireless LAN
Required for transfer files,

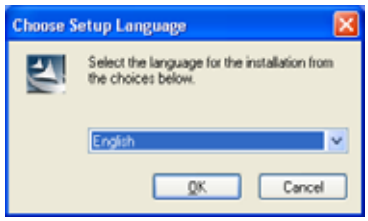
(6) Storage Media (SD memory, USB Memory etc.)
Required for store the file on the projector.

2.2 Projector File Transfer Tool Installation

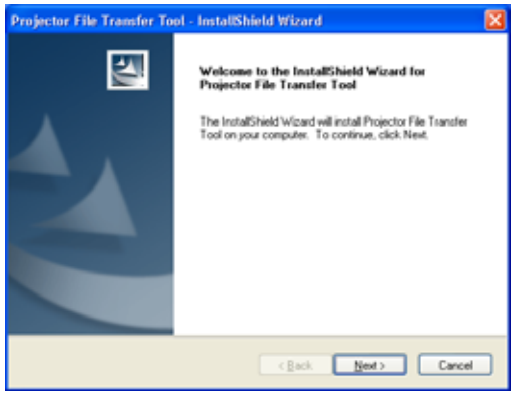
The installation process of Projector File Transfer Tool is as follows:

(1) Double click the file “InstForPJTransfer.exe”.

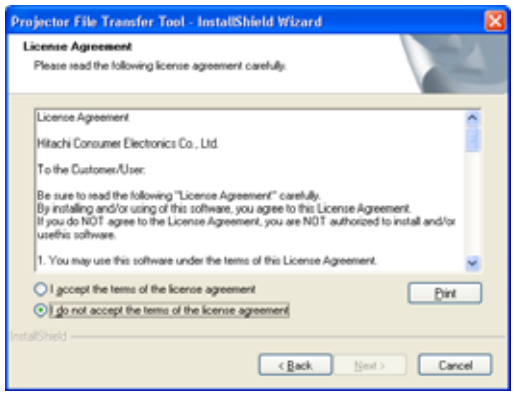
(2) Select the language (English, Japanese or Chinese [Simplified]) during the installation process. And then click [OK].



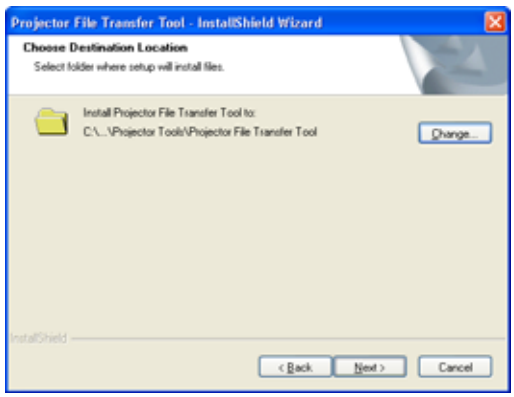
(3) Click [Next]


Projector File Transfer Tool - InstallShield Wizard
Welcome to the InstallShield Wizard for Projector File Transfer Tool
The InstallShield Wizard will install Projector File Transfer Tool on your computer. To continue, click Next.
< Back
Next >
Cancel

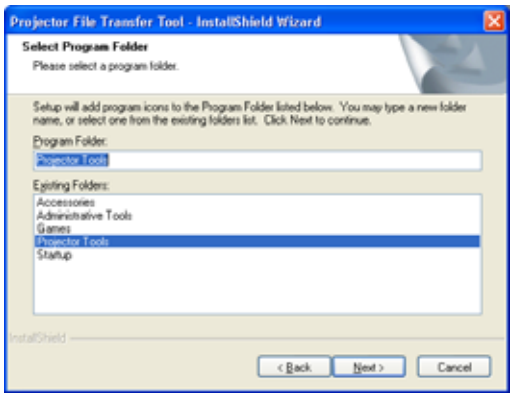
(4) Read “License Agreement” and select “I accept the terms of the license agreement” and click [Next] if you agree the license agreement. Otherwise, click [Cancel] and stop the installation.

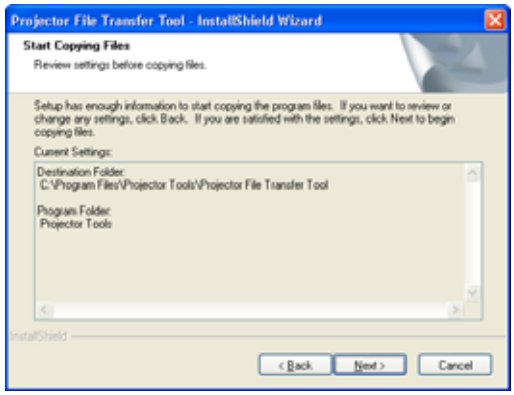

Projector File Transfer Tool - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
License Agreement
Hitachi Consumer Electronics Co., Ltd.
To the Customer/User:
Be sure to read the following "License Agreement" carefully.
By installing and/or using of this software, you agree to this License Agreement.
If you do NOT agree to the License Agreement, you are NOT authorized to install and/or use this software.
1. You may use this software under the terms of this License Agreement.
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

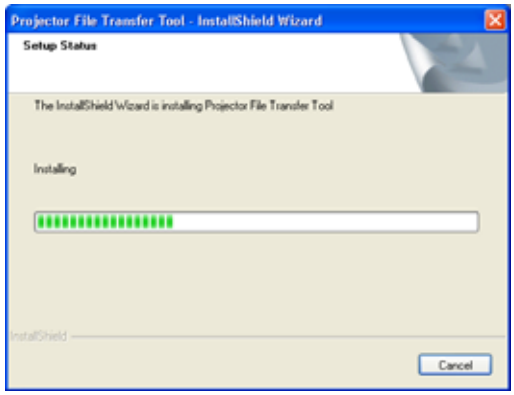
(5) Confirm the program folder, and then click [Next].



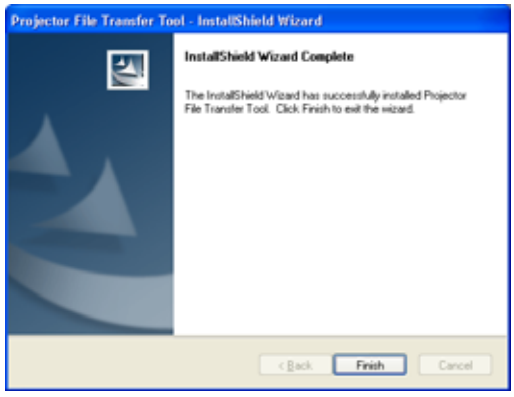
(6) Confirm the install folder and program folder again, and then click [Next].


Projector File Transfer Tool - InstallShield Wizard
Select Program Folder
Please select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.
Program Folder:
Projector Tools
Existing Folders:
Accessories
Administrative Tools
Games
Projector Tools
Startup
InstallShield
< Back
Next >
Cancel


Projector File Transfer Tool - InstallShield Wizard
Start Copying Files
Review settings before copying files.
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
Destination Folder:
C:\Program Files\Projector Tools\Projector File Transfer Tool
Program Folder:
Projector Tools
InstallShield
< Back
Next >
Cancel



(7) Click [Finish] to complete the Projector File Transfer Tool setup wizard.


Projector File Transfer Tool - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Projector File Transfer Tool. Click Finish to exit the wizard.
< Back
Finish
Cancel

3 Operating Instructions

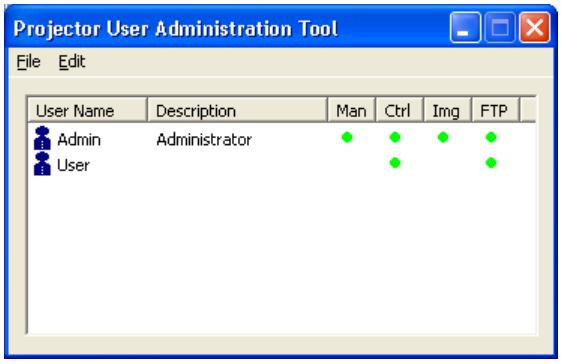
3.1 Create login accounts

The Projector File Transfer Tool requires a login name and password to launch the software. The Projector User Administration Tool helps you to create new user accounts.

3.1.1 How to launch

Double Click “PJUsrEdit.exe” that is located on same folder that you installed Projector File Transfer Tool.

It automatically launches the Projector User Administration Tool, if no user accounts are created yet. Also Projector File Transfer Tool has a short cut [File] → [User Configuration] to launch Projector User Administration Tool.



3.1.2 How to exit

Select [File] → [Exit] from the menu or click [x] button of the top right corner. If the changes are made, you will be required to confirm the changes.

3.1.3 Main Window

(1) Menu

Menu	Sub Menu	Description
File	Save	Save user data
	Exit	Exit
Edit	Add New User	Create new user
	Change User	Edit user account
	Delete User	Delete user account

(2) User List

The status in the User List is described below.

Row name	Description
User Name	Username (ID)
Description	Comment
Man	“●” shows that the user can access to the PJMan (Projector Management Application).
Ctrl	“●” shows that the user can access to the PJCtrl (Projector Control Tool).
Img	“●” shows that the user can access to the PJCtrl (Projector Image Tool).
FTP	“●” shows that the user can access to the PJTransfer (Projector File Transfer Tool).

3.1.4 Creating new user account

Select [Edit] → [Add New User] or right click on the user list and select [Add New User]. The following dialog window appears.

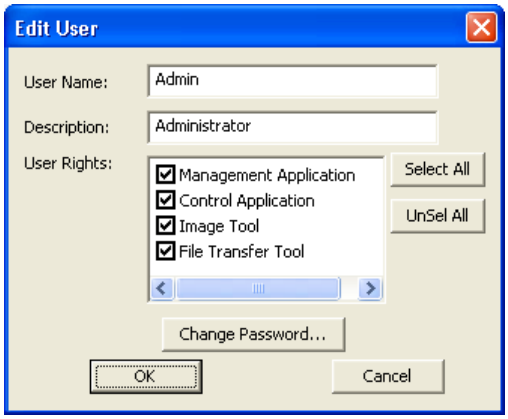
User Name	---	Define user name, up to 20 characters
Description	---	Add comments, up to 50 characters
User Rights	---	Define accessibility. It defines the accessibility for the application software by each user account. The user can use allocation only marked application software.
Select All	---	Select all application software.
UnSel All	---	Unselect all application software.

Press [OK] button after entering user name. The [Change Password] dialog appears. Enter new password and confirm entered password. The password is up to 20 characters and case sensitive.

3.1.5 Edit user account

Double click a username on the user list or select [Edit] → [Change User] after choosing user to open edit dialog. You can edit username, description and accessibility (user rights).

Click the button to change password. Enter old and new password, and re-enter new password to confirm.



3.1.6 Delete user account

Select [Edit] → [Delete User] or right click on the user list and select [Delete User]. The confirmation window will popup.

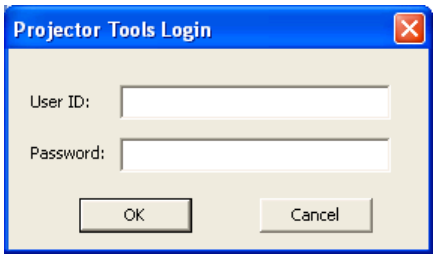
3.1.7 Save user account

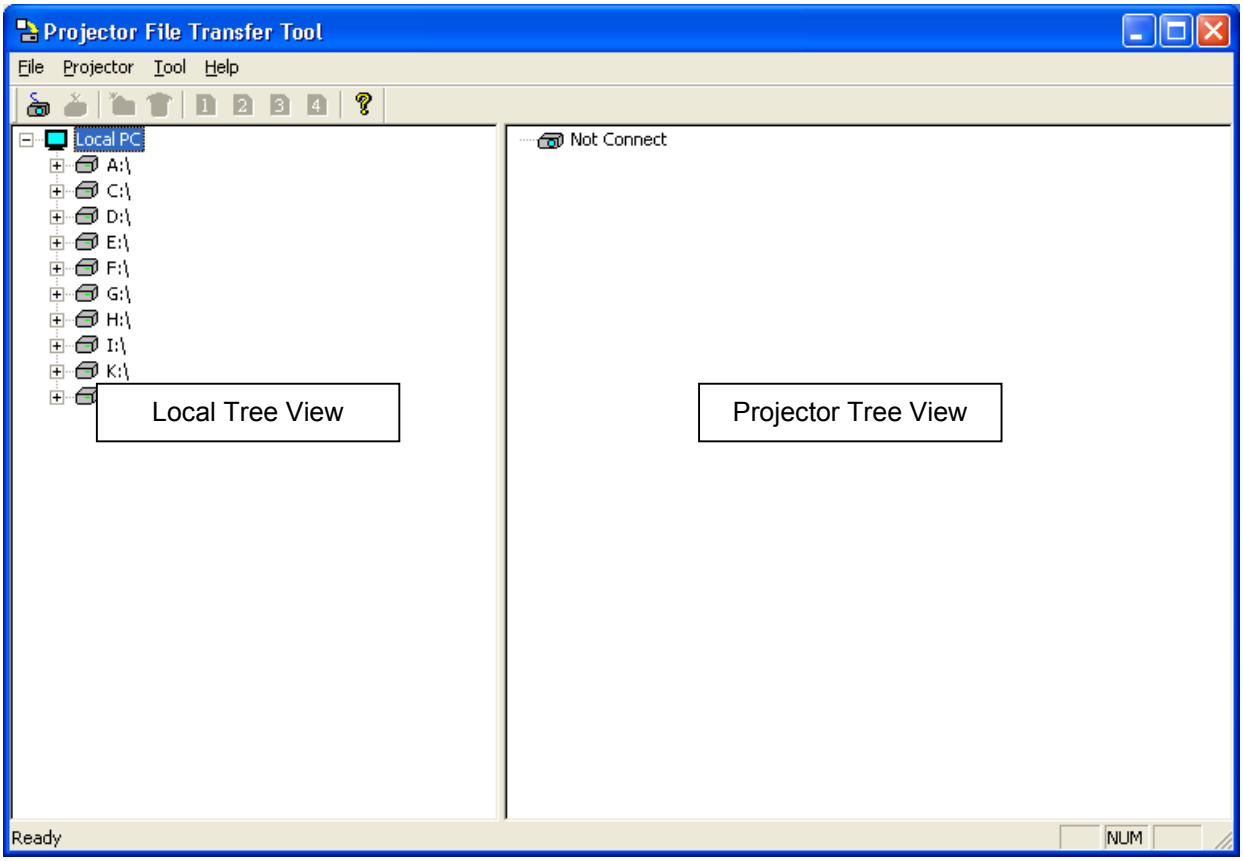
Select [File] → [Save]. The date is stored in the file, “C:\Program Files\Common Files\Projector Tools\config \UserList”.

3.2 Start Application

Select Windows [Start] → [Program] → [Projector Tools] → [Projector File Transfer Tool]. The login window is appeared.

Enter the username and password that is created by “Projector User Administration Tool”. After logged in, a following window is appeared.





Local Tree View

It shows a local computer directories or files.

Projector Tree View

It shows storage media folders or files that are connected to the projector.

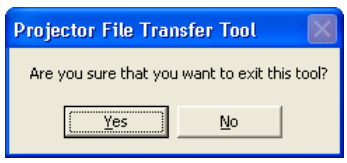
The name of folders or files only allows ASCII characters excepts \:,;*?”<>| and have to have txt, jpg, jpeg, png and bmp file extension. You can transfer the file both ways from either computer or projector to the others.

3.3 Quit Application

Select [File] → [Exit] to quit.

It is also possible to quit this software by clicking [x] on the top right corner of the window.

When the confirmation dialogue appears, select [OK] to finish.



3.4 Main Screen

(1) Menu

The functions of the main window are as follows.

Menu	Sub-Menu	Function
File	Update	Update tree views
	User Configuration	Launch Projector User Administration Tool.
	Exit	Quit Application.
Projector	Connect	Connect to the projector
	Disconnect	Disconnect the projector
Tool	Create Folder	Create new folder
	Delete	Delete a folder or file,
	Image-1	Assign or clear MY IMAGE (or e-SHOT) number “Image-1” to the selected file.
	Image-2	Assign or clear MY IMAGE (or e-SHOT) number “Image-2” to the selected file.
	Image-3	Assign or clear MY IMAGE (or e-SHOT) number “Image-3” to the selected file.
	Image-4	Assign or clear MY IMAGE (or e-SHOT) number “Image-4” to the selected file.
Help	About Projector File Transfer Tool	Display the version of this application.

(2) Toolbar

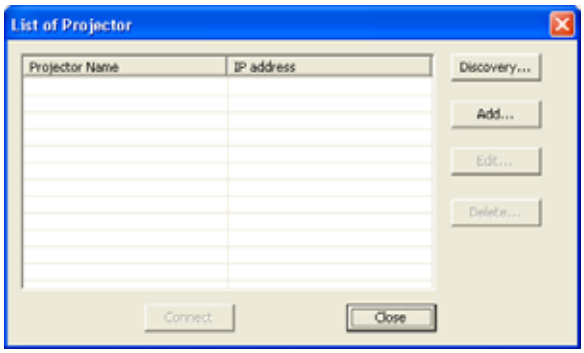
The functions of these icons correspond with the menus as follows:

Icon	Menu
	[Projector] - [Connect]
	[Projector] - [Disconnect]
	[Tool] - [Create Folder]
	[Tool] - [Delete]
	[Tool] - [Image-1]
	[Tool] - [Image-2]
	[Tool] - [Image-3]
	[Tool] - [Image-4]
	[Help] - [About Projector File Transfer Tool

3.5 Connect to the projector

3.5.1 Register Projector

Selects [Projector] → [Connect] from menu or click icon on the tool bar. The [List of Projector] dialog will be appeared.

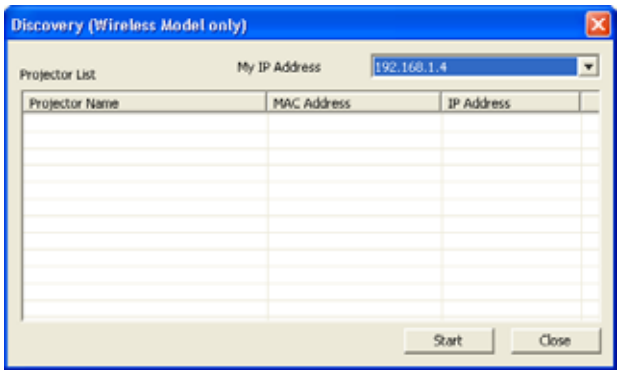


Discovery

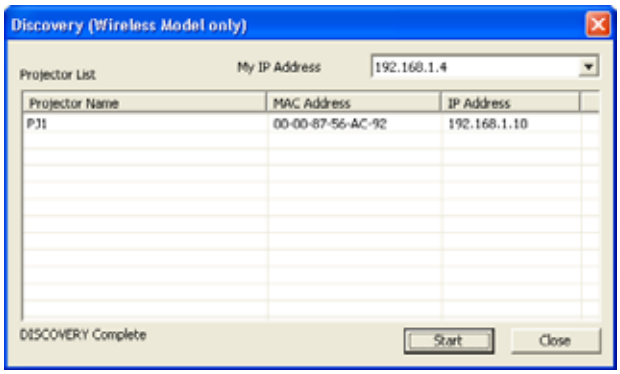
The discovery feature allows you to search projectors on the network automatically.

[NOTE]

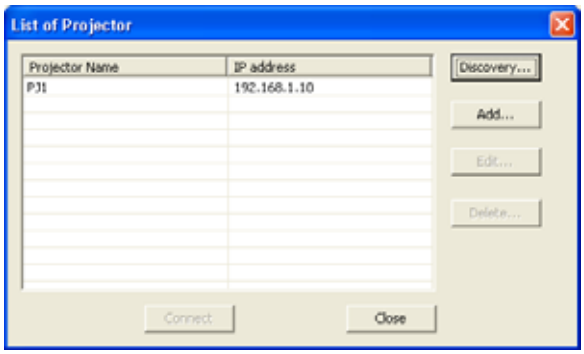
Windows Security Alert will be shown on your display when the discovery function activates, if Windows Firewall is "On" on Windows XP SP2 or later. Please choose "Unblock" to add the software onto the exception list. Also other firewall security software may block the discovery function. In that case, please add the software to the safe list or disable firewall software when you use discovery function.



Choose your computer IP address and click start button. The discovery starts to search projectors on the network and shows a result on the discovery window.



It registers all found projectors to click the [Close] button. Please note that projectors are added no matter what IP addresses and projector names are on the list of projector window.



Add

Create new projector and add into the list. The following window will be appeared.

General TAB

General settings for FTP connection.

Projector Name	---	Enter projector name
IP Address	---	Enter IP address of projector
User ID	---	Enter username for FTP connection. The default of user name is ”projector”.
Password	---	Enter password for FTP connection. The password is mask by *. The default password is “projector”.

Command Control TAB

The setting of projector command protocol. This setting is required for controlling the storage media by projector internal command.

Port No	---	Enter TCP/IP port number.
Authentication	---	Mark when the projector authentication is enabled.
Auth Password	---	Enter authentication password.

Edit

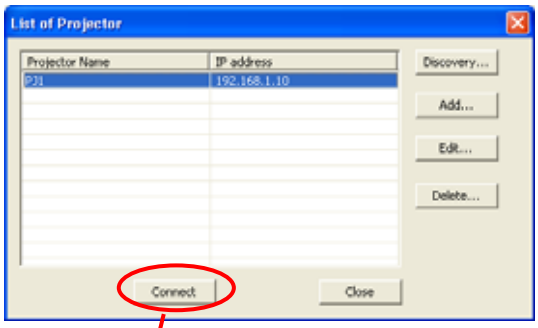
Edit existing projector setting. Select a projector from the list and then click the [Edit] button.

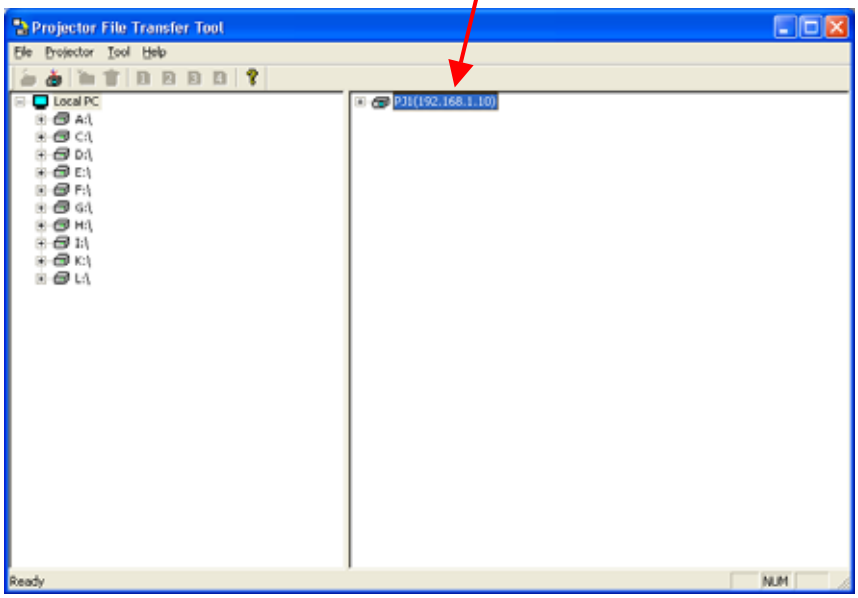
Delete

Delete selected projector on the list. The confirmation message will be appeared.

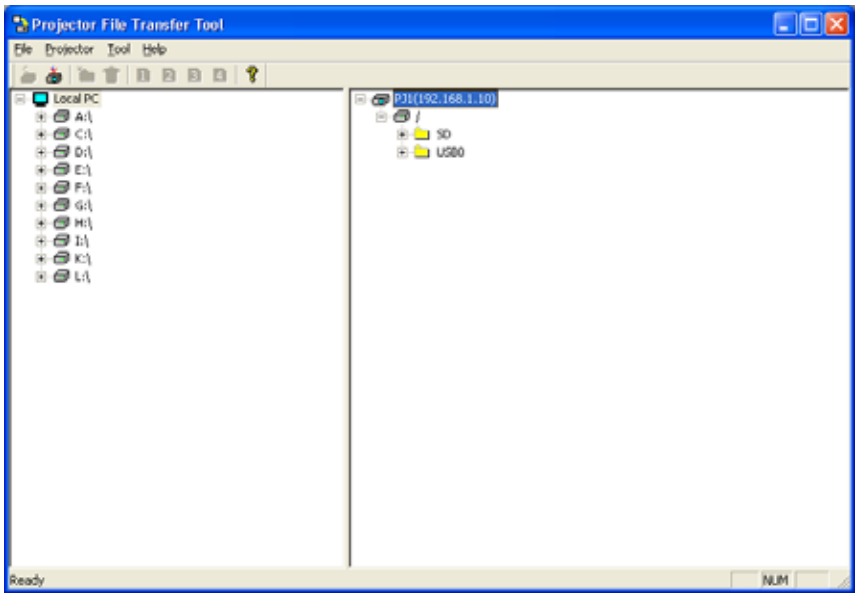
3.5.2 Connection

In order to make a connection with projector, please select a projector from the list on [List of Projector] dialog and click [Connect] button. The projector will be shown on the projector tree view, when the FTP connection is established.



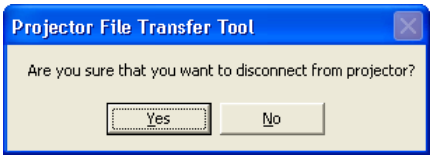


If the projector has two types of media both SD memory card and USB flash drive, the media will be shown as separate folders. See the example below.



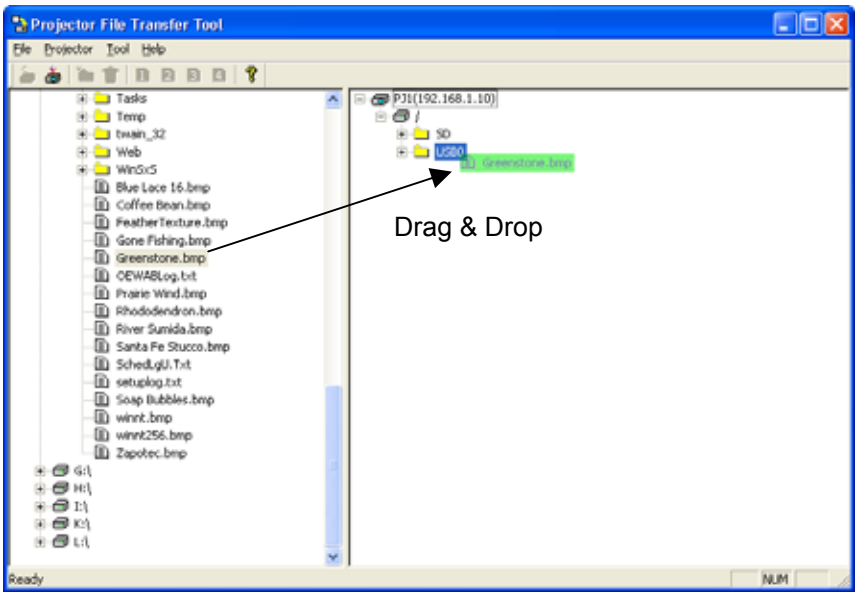
3.5.3 Disconnect

Select [Projector] → [Disconnect] from the menu or click icon on the tool bar to disconnect a projector. The following confirmation message will be appeared.

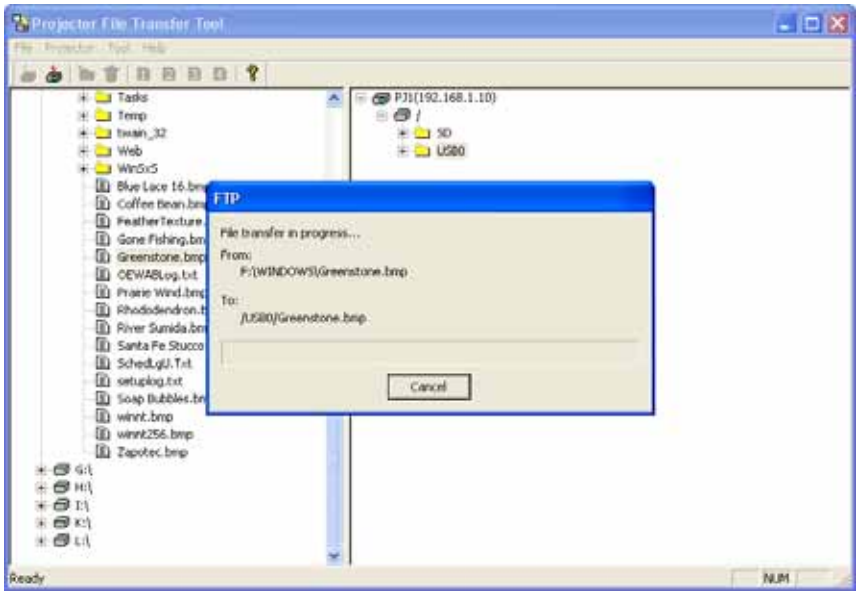


3.6 Transfer file

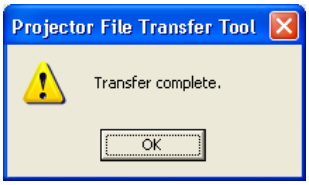
In order to transfer file(s), Drag and drop a folder or file onto a folder on the projector tree view. You can drag and drop the folder too. In case of transfer a folder, it only affect the file that allows to be able to transfer described before.



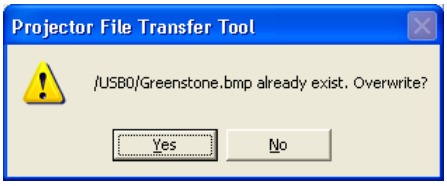
The progress status window will be shown during transfer process. You can cancel the process to click the [Cancel] button.



The transfer is completed, the following message will be appeared.

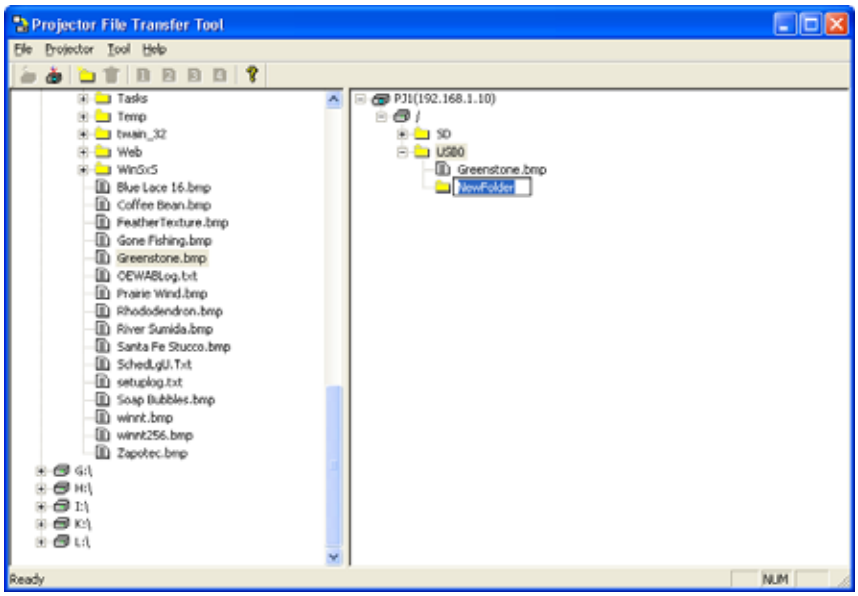


Also, if a same file name exist on the destination folder, the confirmation window for overwriting will be appeared. Click [Yes] if you overwrite a file, otherwise click [No].



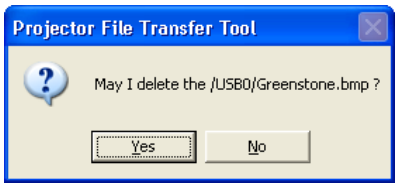
3.7 Create Folder

Select [Tool] → [Create Folder] from the menu or click icon on the tool bar to create a folder in the storage media. Also there is a short cut menu when you make a right click on the projector view.



3.8 Delete folder or file

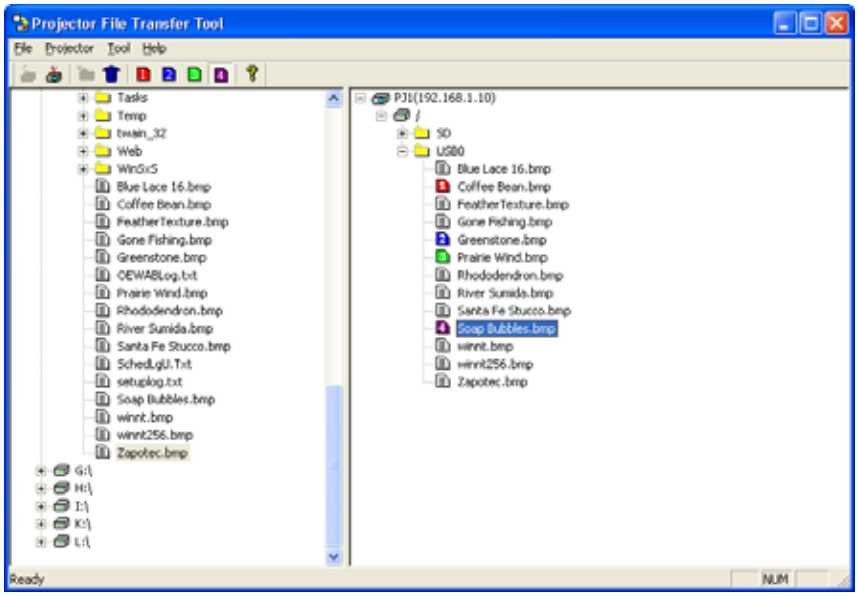
Select [Tool] → [Delete] from the menu or click icon on the tool bar to delete a file or folder. Also there isashort cut when you make a right click on the projector tree view. The confirmation message will be appeared.



3.9 Assign a file to MY IMAGE (or e-SHOT) image

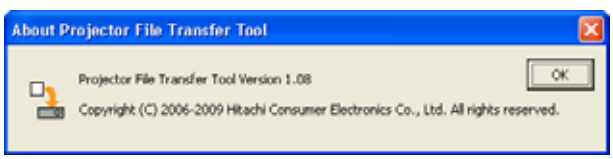
The files on the storage media can be assigned as MY IMAGE (or e-SHOT) image from number 1 to 4. Select a file on the projector tree view and choose [Tool] → [Image-n] from the menu or click either 1 2 3 4 icon from the tool bar to assign MY IMAGE (or e-SHOT) image. Also there is a short cut menu when you make a right click on the projector tree. The file format have to be following 4 formants, jpg, jpg, jpeg, png and bmp.

The file icon that assigned as MY IMAGE (or e-SHOT) file changes 1 2 3 4 as shown below. In addition, you can assign multiple MY IMAGE (or e-SHOT) numbers to one file. In that case, the file icon will be shown as icon and can check the actual assignment from that icon status on the tool bar.



3.10 About this Application

You can check the version of this application. Select [Help] → [About Projector File Transfer Tool] , or click .


About Projector File Transfer Tool
Projector File Transfer Tool Version 1.08
OK
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4 Limitations

- MY IMAGE (or e-SHOT) does not support following file formats.

  ・Progressive JPEG
  ・16 bit color depth Bitmap
  ・Interlaced PNG file

- If the network connection is terminated or this tool is finished abnormally after you connected to the projector with this tool, the projector's FTP remain logon, and it makes you unable to re-connect to the projector with this tool for 20 minutes. When you want to re-connect to the projector without waiting for 20 minutes, please logon to projector's HTML as an administrator and click [Restart] button at the Network Restart page, or please execute the MIU RESTART by selecting the [MIU] → [SERVICE] → [MIU RESTART] in projector's advanced menu.